

**Amendments to the Drawings:**

Figs. 2A and 2B have been amended to change "2a" to "2," in accordance with the disclosure in the specification at, for example, page 13, line 10 to page 15, line 11.

In addition, Fig. 8B has been amended to change "2" to "2a," in accordance with Figs. 8A, 9A and 9B.

Attachment:     Annotated Sheets Showing Changes  
                  Replacement Sheets

R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

ALLOWABLE SUBJECT MATTER

The Examiner's indication of the allowability of the subject matter of claims 6, 7, 9, 11, 13, 14, 22, 23, 25, 27, 29 and 30 is respectfully acknowledged.

Claims 6, 9, 11, 13, 14, 22, 25, 27, 29 and 30 have been amended to be rewritten in independent form to include all of the limitations of their respective parent claims.

In addition, claims 6, 7, 9, 11, 13, 14, 22, 23, 25, 27, 29 and 30 have been amended to make some minor grammatical improvements and to correct some minor antecedent basis problems so as to put them in better form for issuance in a U.S. patent.

No new matter has been added, and no new issues with respect to patentability have been raised.

Accordingly, it is respectfully requested that the amendments to claims 6, 7, 9, 11, 13, 14, 22, 23, 25, 27, 29 and 30 be approved and entered.

And it is respectfully submitted that amended independent claims 6, 9, 11, 13, 14, 22, 25, 27, 29 and 30, as well as claims 7 and 23 respectively depending from amended independent claims 6 and 22, are all in condition for immediate allowance.

THE TITLE

The title has been amended to more clearly indicate the nature of the invention to which the claims are directed, as required by the Examiner.

THE SPECIFICATION

The specification has been amended to correct some minor informalities of which the undersigned has become aware.

No new matter has been added, and it is respectfully requested that the amendments to the specification be approved and entered.

THE DRAWINGS

Figs. 2A, 2B and 8B have also been amended to correct some minor informalities of which the undersigned has become aware.

Submitted herewith are corrected sheets of formal drawings which incorporate the amendments and annotated sheets showing the changes made thereto.

No new matter has been added, and it is respectfully requested that the amendments to the drawings be approved and entered.

THE REJECTED CLAIMS

Claims 1-5, 8, 10, 12, 15-21, 24, 26, 28, 31 and 32 have been amended to make some minor grammatical improvements and to correct some minor antecedent basis problems so as to put them in better form for issuance in a U.S. patent. In addition, claims 3 and 4 have also been amended to depend from claim 1, and claims 19 and 20 have also been amended to depend from claim 17.

No new matter has been added, and it is respectfully requested that the amendments to claims 1-5, 8, 10, 12, 15-21, 24, 26, 28, 31 and 32 be approved and entered.

It is respectfully submitted, moreover, that the amendments to claims 1-5, 8, 10, 12, 15-21, 24, 26, 28, 31 and 32 are not related to patentability, and do not narrow the scope of the claims either literally or under the doctrine of equivalents.

CLAIM FEE

The application was originally filed with 32 claims of which 2 were independent, and the appropriate claim fee was paid for such claims. The application now contains 32 claims, of which 12 are independent. Accordingly, a claim fee in the amount of \$1800 for the addition of 9 extra independent claims is attached hereto. In addition, authorization is hereby given to charge any additional fees which may be determined to be required to Account No. 06-1378.

THE PRIOR ART REJECTION

Claims 1, 2, and 17 and 18 were rejected under 35 USC 103 as being obvious in view of the combination of US 2001/0011030 ("Kuroda") and US 2002/0082042 ("Mark et al"); claims 3, 4, 5, 19 and 20 were rejected under 35 USC 103 as being obvious in view of the combination of Kuroda, Mark et al and USP 6,637,896 ("Li et al");<sup>1</sup> claims 8, 16, 24 and 32 were rejected under 35 USC 103 as being obvious in view of the combination of Kuroda, Mark and US 2005/0059441 ("Miyashita"); claims 10 and 26 were rejected under 35 USC 103 as being obvious in view of the combination of Kuroda, Mark et al and JP 11-331331 ("Cachard"); claims 12 and 28 were rejected under 35 USC 03 as being obvious in view of the combination of Kuroda, Mark et al and USP 4,871,997 ("Adriaenssens et al"); and claims 15 and 31 were rejected under 35 USC 103 as being obvious in view of the combination of Kuroda, Mark et al and JP 05-176039 ("Morita et al"). These rejections, however, are respectfully traversed.

According to the present invention as recited in independent claim 1 (and corresponding independent claim 17), a cellular phone is provided which comprises: voice communication means for transmitting and receiving data concerning voice communication

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<sup>1</sup> Claim 21 was not specifically rejected. The applicant assumes the Examiner intended to reject claim 21 on the same grounds as corresponding means-plus-function claim 5.

and carrying out voice communication; information communication means for transmitting and receiving data concerning information communication, which includes an image, and carrying out information communication, which is different from voice communication; first display means disposed in a phone main body, for displaying the data concerning voice communication; second display means, larger than the first display means, for displaying details of the data concerning information communication; operation means, removably attached to the phone main body, for inputting instructions including characters; and transmission/reception means for transmitting/receiving information between the operation means and the phone main body.

With this structure, a larger second display can be provided to facilitate the viewing of web pages on the cellular phone. And to enable control of the display while accessing the Internet, the operation means is detachable so that the display can be easily seen and operated.

The Examiner acknowledges on page 5 of the Office Action that Kuroda does not disclose operation means (an operation key unit) that is removably attached to the phone main body, and transmission/reception means (a transmission reception section) for transmitting/receiving information between the operation means and the phone main body, in the manner of the present invention as recited in independent claims 1 and 17. For this

reason, the Examiner has cited Mark et al to supply the missing teachings of Kuroda.

As recognized by the Examiner, Mark et al discloses a removable keypad for a cellular phone. The Examiner contends that it would have been obvious to modify Kuroda et al to make the keypad thereof removable in view of the teachings of Mark et al, "to provide a comfortable spatial relationship between the two parts for inputting data and viewing the image."

It is respectfully pointed out, however, that the functionality of the invention of Kuroda depends on the keypad remaining attached to the cellular phone.

That is, it is respectfully pointed out that the "operation means" or "operation key unit" of Kuroda is integrally formed with the lid 1. (See keys 3 on lid 1 in Fig. 1 of Kuroda and paragraph [0029] thereof.) According to Kuroda, the lid 1 is flipped up to reveal a concave reflecting mirror 1b to receive light rays 2a from LCD 2 and to reflect the light rays 2a as light rays 2b, which are visible to a person talking on the cellular phone (Fig. 4 of Kuroda). If the keypad 3/lid 1 were removed from the portable radio device of Kuroda, then it would no longer be possible to view an image projected from the LCD 2 on the concave reflecting mirror 1b, thereby rendering the invention of Kuroda unsuitable for its intended purpose.

As pointed out in MPEP 2143, "[i]f proposed modification would render the prior art invention being modified unsatisfactory for its intended purpose, then there is no suggestion or motivation to make the proposed modification" (emphasis added).

Thus, it is respectfully submitted that Kuroda and Mark et al are not properly combinable under 35 USC 103, and it is respectfully requested that the rejection in view of Kuroda and Mark et al be withdrawn.

In addition, the Examiner asserts on page 6 of the Office Action that Kuroda discloses that the second display section is contained in the phone main body when the operation means (key unit) is attached to the phone main body, and that the display section surface is rotated to set the second display section in a position in which the display is possible when the operation means (key unit) is detached from the phone main body, in the manner of the present invention as recited in claims 2 and 18.

However, the Examiner has acknowledged that Kuroda does not disclose operation means that is attachable and detachable from a phone main body. Therefore, it is respectfully pointed out that Kuroda cannot possibly disclose the orientation of a display section when the operation means (key unit) is detached from the portable radio device thereof. In addition, it is respectfully pointed out that Kuroda discloses that the lid 1 may



be flipped out while the keypad 3/lid 1 is attached to the portable radio device. Thus, Kuroda discloses exactly the opposite of the second display section being contained in the phone main body when the operation means (key unit) is attached to the phone main body, in the manner of the present invention as recited in claims 2 and 18.

In addition, it is respectfully pointed out that since Mark et al does not disclose a rotatable display section surface of a second display, even if Mark et al were combinable with Kuroda in the manner suggested by the Examiner, the combination thereof still would not render obvious the feature of the present invention as recited in claims 2 and 18 whereby the position of the rotatable display section surface depends on whether the operation means (key unit) is attached or detached.

Still further, the Examiner acknowledges on page 7 of the Office Action that the combination of Kuroda and Mark et al does not disclose that a magnification reflective mirror section is positioned opposite to a projection display section, when the operation means (key unit) is detached from the phone main body, in the manner of the present invention as recited in claims 3 and 19

The Examiner has not addressed the magnification optical section recited in claims 4 and 20. However, since the Examiner has grouped the rejections of claims 3, 4, 19 and 20, it is

be flipped out while the keypad 3/lid 1 is attached to the portable radio device. Thus, Kuroda discloses exactly the opposite of the second display section being contained in the phone main body when the operation means (key unit) is attached to the phone main body, in the manner of the present invention as recited in claims 2 and 18.

In addition, it is respectfully pointed out that since Mark et al does not disclose a rotatable display section surface of a second display, even if Mark et al were combinable with Kuroda in the manner suggested by the Examiner, the combination thereof still would not render obvious the feature of the present invention as recited in claims 2 and 18 whereby the position of the rotatable display section surface depends on whether the operation means (key unit) is attached or detached.

Still further, the Examiner acknowledges on page 7 of the Office Action that the combination of Kuroda and Mark et al does not disclose that a magnification reflective mirror section is positioned opposite to a projection display section, when the operation means (key unit) is detached from the phone main body, in the manner of the present invention as recited in claims 3 and 19

Yet still further, it is noted that the Examiner has not addressed the magnification optical section recited in claims 4 and 20. However, since the Examiner has grouped the rejections

of claims 3, 4, 19 and 20, it is assumed that the Examiner also acknowledges that the combination of Kuroda and Mark et al does not disclose that a surface of a magnification optical section and a surface of a display section are positioned at predetermined angles with respect to a surface of the phone main body, when the operation means (key unit) is detached from the phone main body.

The Examiner has cited Li et al to supply the missing teachings of Kuroda and Mark et al.

It is respectfully pointed out, however, that Li et al does not disclose, teach or suggest that operation means may be detached from the portable device 330 thereof.

Therefore, it is respectfully submitted that Li et al cannot possibly suggest that a magnification reflective mirror section or a magnification optical section are moved to certain positions, when the operation means (key unit) is detached from a phone main body. Indeed, according to Li et al, the keyboard remains in place regardless of the state of the screen 320.

Accordingly, it is respectfully submitted that Li et al also does not disclose, teach or suggest the features of the present invention as recited in claims 3, 4, 19 and 20.

In view of the foregoing, it is respectfully submitted that the present invention as recited in independent claims 1 and 17, as well as claims 2-5, 8, 10, 12, 15, 16, 18-21, 24, 26, 28, 31

and 32 respectively depending therefrom, clearly patentably distinguishes over Kuroda, Mark et al and Li et al, and all of the other cited references, taken singly or in any combination under 35 USC 103.

RE: CERTIFIED COPIES OF THE PRIORITY DOCUMENTS

It is respectfully requested that the Examiner complete the acknowledgment of the certified copies of the priority documents by checking box "12) a) 1." on the Office Action Summary Sheet.

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Entry of this Amendment, allowance of the claims and the passing of this application to issue are respectfully solicited.

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,



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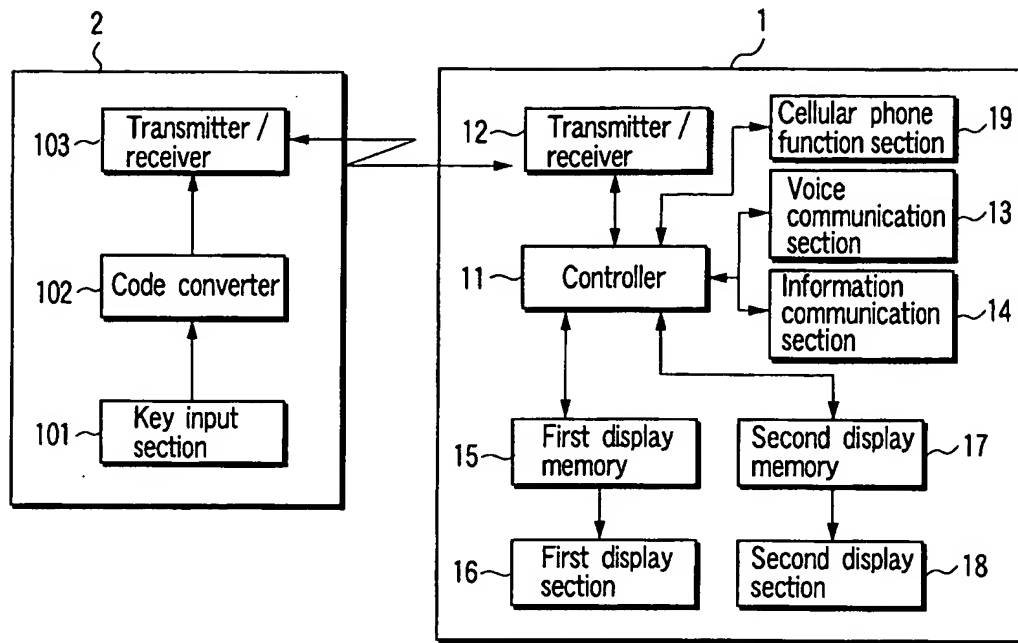


FIG. 1

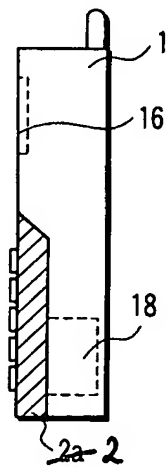


FIG. 2A

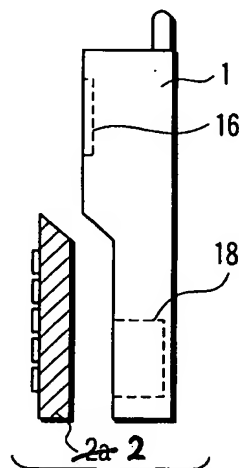


FIG. 2B

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